AMENDMENTS TO THE CLAIMS

Claims 1-5 **(Canceled)**.

6. **(Currently Amended)** An inductor formed on an integrated circuit chip, the inductor comprising:

~~two or more~~at least two outer layers each including a first portion and a second portion;

~~one or more inner layers~~at least one inner layer located between said ~~two or more~~at least two outer layers;

inductor metal winding turns included in said ~~one or more~~at least one inner ~~layers~~layer; and

a series of magnetic metallic strips disposed ~~on~~ in each of said first and second portions of said at least two ~~or more~~ outer layers and on ~~each of~~ said at least one ~~or more~~ inner ~~layers~~layer, said series of magnetic metallic strips ~~on~~ of said first portion and said second portion in registration with one another and arranged so as to form a particular pattern with one another.

7. **(Original)** An inductor according to claim 6, wherein said particular pattern is a perfect orthogonal grid pattern.

8. **(Original)** An inductor according to claim 6, wherein said particular pattern is a transverse grid pattern.

9. **(Original)** An inductor according to claim 6, wherein said series of magnetic metallic strips substantially surrounds said inductor metal winding turns.

10. **(Original)** An inductor according to claim 6, further comprising gaps between each of said two or more outer layers and said one or more inner layers.

Claims 11-22 **(Canceled)**.

23. **(New)** An inductor, comprising:

a plurality of layers comprising, in the following order relative to one another:

a first outer core layer including a first region containing a first series of magnetic core strips aligned with one another;

a first intermediate core layer including a second region containing a second series of magnetic core strips; said second region in registration with said first region and said second series of magnetic core strips aligned with one another and non-parallel relative to said first series of magnetic core strips;

a first winding/core layer including a third region containing metal winding turns and a third series of magnetic core strips, said third region in registration with said second region;

a second intermediate core layer including a fourth region containing fourth series of magnetic core strips aligned with one another, said fourth region in registration with said third region; and

a second outer core layer including a fifth region containing a fifth series of magnetic core strips in registration with said first series of magnetic core strips; said fifth region in registration with said fourth region and said fifth series of magnetic core strips aligned with one another and non-parallel relative to said fourth series of magnetic core strips.

24. **(New)** An inductor according to claim 23, further comprising a first gap located between said first intermediate core layer and said first winding/core layer and a second gap located between said first winding/core layer and said second intermediate core layer.

25. **(New)** An inductor according to claim 23, wherein said first series of magnetic core strips and said second series of magnetic core strips form an orthogonal grid relative to one another.

26. **(New)** An inductor according to claim 25, wherein said fourth series of magnetic core strips and said fifth series of magnetic core strips form an orthogonal grid relative to one another.

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